

=> d 16 1-2 abs,bib

L6 ANSWER 1 OF 2 USPATFULL on STN

AB A corundum crystal formed body having a corundum crystal grown directly on a base material and a production process capable of producing the corundum crystal formed body easily at low costs. The a corundum crystal formed body has a platinum base material and a corundum crystal portion formed on the platinum base material. Further, the process for producing a corundum crystal formed body, involves forming a corundum crystal is formed on a platinum base material by a flux evaporation method of heating a sample containing a raw material and a flux to precipitate a crystal. The crystal is grown by use of flux evaporation as a driving force.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2007:161383 USPATFULL

TI Corundum crystal formed body

IN Teshima, Katsuya, Tokyo, JAPAN

PI US 20070140936 A1 20070621

AI US 2005-589546 A1 20050217 (10)

WO 2005-JP2496 20050217
20060816 PCT 371 date

PRAI JP 2004-41834 20040218

DT Utility

FS APPLICATION

LREP LADAS & PARRY LLP, 224 SOUTH MICHIGAN AVENUE, SUITE 1600, CHICAGO, IL, 60604, US

CLMN Number of Claims: 21

ECL Exemplary Claim: 1-15

DRWN 4 Drawing Page(s)

LN.CNT 1088

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 2 USPATFULL on STN

AB An artificial corundum crystal which can be put into practical use at low costs, and a process for producing the same. The artificial corundum crystal has at least one crystal face selected from {113}, {012}, {014}, {113}, {110}, {101}, {116}, {211}, {122}, {214}, {100}, {125}, {131}, and {312} faces. The process for producing the artificial corundum crystal is by a flux evaporation method of heating a sample containing a raw material and a flux to precipitate a crystal and grow the crystal by use of flux evaporation as a driving force.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2007:113551 USPATFULL

TI Artificial corundum crystal

IN Teshima, Katsuya, Tokyo-to, JAPAN

Oishi, Shuji, Nagano, JAPAN

PI US 20070098618 A1 20070503

AI US 2004-581182 A1 20041130 (10)

WO 2004-JP17753 20041130
20060601 PCT 371 date

PRAI JP 2003-402115 20030112

JP 2004-20059 20040205

JP 2004-144118 20040503

JP 2004-144124 20040513

JP 2004-144125 20040513

DT Utility

FS APPLICATION

LREP LADAS & PARRY LLP, 224 SOUTH MICHIGAN AVENUE, SUITE 1600, CHICAGO, IL,
60604, US
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 1452
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:29:15 ON 05 SEP 2008)

FILE 'HCAPLUS, INSPEC, JAPIO, USPATFULL, USPATOLD, USPAT2' ENTERED AT
14:40:51 ON 05 SEP 2008

L1 3536151 S (CRYSTAL#)
L2 443126 S (AL2O3 OR CORUMDUM)
L3 51960 S L1 AND L2
L4 11 S L1 AND (HEXAGON?(3W)DIPYRAMIDAL?)
L5 250923 S (COLORLESS OR NO(6A)COLOR?)
L6 2 S L4 AND L5

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